

Status: Currently Official on 14-Feb-2025
Official Date: Official Prior to 2013
Document Type: Reagents
DocId: GUID-877308DA-C996-43CA-BF84-8F6B5DEDBD45_1_en-US
DOI: https://doi.org/10.31003/USPNF_R1935_01_01
DOI Ref: cf2am

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3,4-Dimethylbenzophenone,

$C_{15}H_{14}O$ 210.27 CAS RN[®]: 2571-39-3.—White chunks melting at about 45°.

Assay: Inject an appropriate specimen into a suitable gas chromatograph (see [Chromatography \(621\)](#)) equipped with a flame-ionization detector, helium being used as the carrier gas. The following conditions have been found suitable: a 0.25-mm × 30-m capillary column coated with phase G1: the detector temperature and the injection port temperature are maintained at 300°; the column temperature is maintained at 180° and programmed to rise at the rate of 10° per minute to 280° and held at that temperature for 10 minutes. The area of the main peak is not less than 99% of the total peak area.

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
3,4-DIMETHYLBENZOPHENONE	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

Most Recently Appeared In:

Pharmacopeial Forum: Volume No. Information currently unavailable

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